

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P880782

Luminaire Tested: **22CZ2-50VHE-RDP-B2750-W2D-2700K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-50VHE-RDP-B2750-W2D-2700K
Description: 2X2 5000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

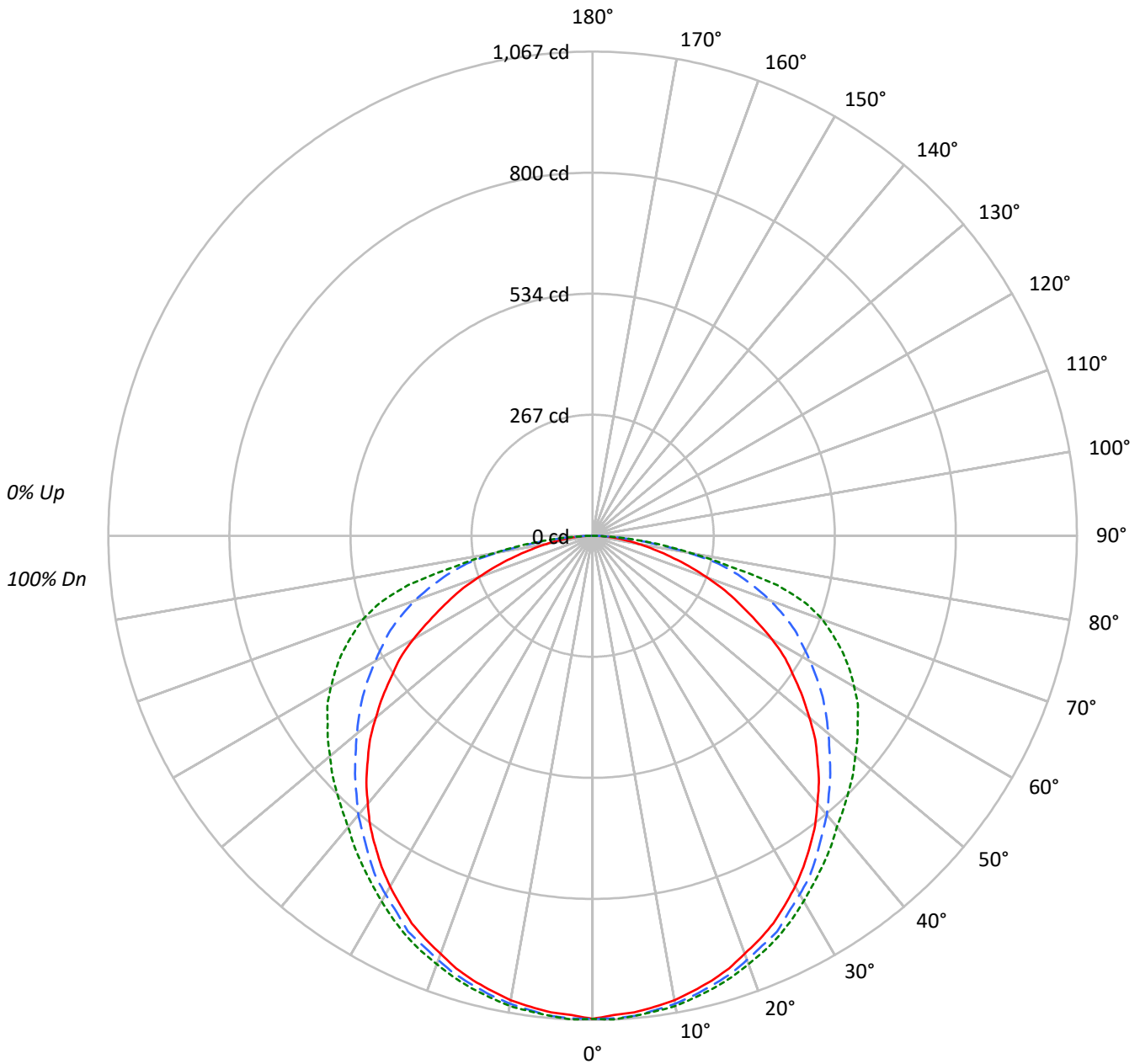
Lumens per Lamp: N/A
Luminaire Lumens: 3389.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P880782

CATALOG NUMBER: 22CZ2-50VHE-RDP-B2750-W2D-2700K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82								
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67								
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55								
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47								
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35								
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31								
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27								
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24								
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3021	3021	3021
5°	3004	3025	3025
10°	2995	3017	3032
15°	2981	3010	3032
20°	2959	3003	3034
25°	2951	3013	3044
30°	2925	2990	3047
35°	2892	2979	3066
40°	2854	2973	3103
45°	2811	2972	3201
50°	2752	2993	3334
55°	2676	3059	3527
60°	2589	3140	3777
65°	2410	3299	4084
70°	2213	3455	4468
75°	1942	3634	4620
80°	1670	3459	3629
85°	1462	2513	2758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.0
10°-20°	289.1	8.5
20°-30°	441.1	13.0
30°-40°	538.6	15.9
40°-50°	575.9	17.0
50°-60°	555.9	16.4
60°-70°	478.5	14.1
70°-80°	323.8	9.6
80°-90°	85.4	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	830.9	24.5
0°-40°	1369.5	40.4
0°-60°	2501.3	73.8
0°-90°	3389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1054	1057	1062	1062	1062	100
15°	1015	1017	1024	1029	1032	286
25°	942	947	962	968	972	434
35°	835	842	860	877	885	523
45°	700	713	740	778	798	541
55°	541	558	618	681	713	485
65°	359	394	491	568	608	357
75°	177	234	332	399	421	190
85°	45	62	77	80	85	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1064.6	1064.6	1064.6	1064.6	1064.6
2.5°	1057.1	1059.4	1064.6	1064.6	1066.9
5°	1054.5	1057.1	1062.0	1062.0	1062.0
7.5°	1047.0	1049.6	1054.5	1057.1	1057.1
10°	1039.5	1042.1	1047.0	1049.6	1052.2
12.5°	1027.1	1029.4	1036.9	1042.1	1042.1
15°	1014.7	1017.1	1024.5	1029.4	1032.0
17.5°	999.5	1004.7	1012.1	1017.1	1019.6
20°	979.9	984.8	994.6	1002.3	1004.7
22.5°	962.3	967.5	977.3	984.8	989.7
25°	942.4	947.3	962.3	967.5	972.4
27.5°	917.4	922.6	934.9	944.8	952.2
30°	892.6	897.5	912.5	925.1	930.0
32.5°	865.0	872.5	890.0	900.1	907.3
35°	835.0	842.5	860.1	877.4	885.1
37.5°	805.3	812.8	830.1	852.6	862.6
40°	770.5	780.3	802.7	832.7	837.6
42.5°	737.9	750.3	770.5	805.3	817.7
45°	700.5	712.9	740.5	778.0	797.6
47.5°	665.6	678.0	708.0	752.9	778.0
50°	623.3	640.6	678.0	730.4	755.2
52.5°	583.3	598.3	648.3	705.4	735.6
55°	540.9	558.5	618.4	680.6	712.9
57.5°	503.7	518.5	585.9	655.8	693.0
60°	456.2	476.1	553.3	628.2	665.6
62.5°	406.1	436.4	521.0	598.3	638.0
65°	358.9	393.8	491.4	568.3	608.3
67.5°	316.6	354.0	453.9	536.0	573.5
70°	266.7	314.2	416.5	496.3	538.6
72.5°	222.1	274.2	374.1	453.9	491.4
75°	177.1	234.4	331.5	398.9	421.4
77.5°	137.1	192.1	284.0	304.2	306.7
80°	102.2	152.1	211.7	214.3	222.1
82.5°	70.0	107.2	137.1	149.5	152.1
85°	44.9	62.5	77.2	79.8	84.7
87.5°	20.1	22.5	27.4	25.0	25.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)